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IN THE CLAIMS

*Please amend claims 31, 33-38, 43, 50, 51, 71, 77 and 81-87 as follows. A copy of all pending claims follows with each claim including a status identifier pursuant to the proposed revisions to 37 CFR 1.121:*

Claims 1-30 (Canceled).

31. (Currently Amended) A method of operating a machine for manufacturing and/or refining a material web wherein the machine includes at least one machine section, the method comprising:

arranging a plurality of measurement zones in series along a process direction; and  
detecting data in ~~a region of the at least one machine section via at least one measurement zone~~ each of the plurality of measurement zones using at least one measurement device that detects the data while moving along at least two degrees of freedom of movement,

wherein the data concerns at least one measured parameter relating to the manufacture or refinement of the material web.

32. (Previously Added) The method of claim 31, wherein the material web is a paper

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web.

33. (Currently Amended) The method of claim 31, wherein the at least one machine section is a drying section and wherein each of the plurality of measurement zones is arranged in different part section of the dryer section.

34. (Currently Amended) The method of claim 31, wherein the detecting comprises detecting the data at each of the plurality of measurement zones at regular time intervals.

35. (Currently Amended) The method of claim 31, wherein the detecting comprises detecting the data at at least ~~two~~ three measurement zones ~~of the plurality of measurement zones.~~

36. (Currently Amended) The method of claim ~~35~~ 31, wherein the detecting comprises substantially simultaneously detecting the data at each of the ~~at least two~~ plurality of measurement zones.

37. (Currently Amended) The method of claim 31, wherein the at least one machine section comprises a plurality of part sections and wherein each of the plurality of

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measurement zones is arranged at least one of within different part section and between different part sections.

38. (Currently Amended) The method of claim 37 31, wherein the at least one machine section comprises different machine sections and wherein the detecting comprises detecting the data in ~~a region of~~ at least one part section of each of the ~~plurality of part sections~~ different machine sections.

39. (Previously Added) The method of claim 31, further comprising changing a machine setting of at least one machine component of the at least one machine section.

40. (Previously Added) The method of claim 31, further comprising controlling or regulating a machine setting of at least one machine component of the at least one machine section.

41. (Previously Added) The method of claim 31, wherein the data relates to at least one of the at least one machine section, the material web and to an environment of the material web or the at least one machine section.

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42. (Previously Added) The method of claim 41, wherein the data relates to the material web and comprises at least one of a moisture of the material web, a temperature of the material web, a thickness of the material web, and a weight per unit area of the material web.

43. (Currently Amended) The method of claim 41, wherein the data relates to the at least one machine section and comprises ~~at least one of~~ a characteristic value of a surface of the at least one machine section.

44. (Previously Added) The method of claim 43, wherein the surface comprises a roll or cylinder surface and wherein the characteristic value comprises a temperature.

45. (Previously Added) The method of claim 31, wherein the at least one machine section comprises at least one of a steam system and a condensate system and wherein the data relates to a characteristic value of the steam system or condensate system.

46. (Previously Added) The method of claim 31, wherein the at least one machine section comprises a screen and wherein the data relates to a characteristic value of the screen.

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47. (Previously Added) The method of claim 46, wherein the characteristic value comprises at least one of a temperature, a moisture content, and a permeability of the screen.

48. (Previously Added) The method of claim 31, wherein the data relates to at least one a characteristic value of an environment of the at least one machine section.

49. (Previously Added) The method of claim 48, wherein the characteristic value of the environment comprises at least one of an air temperature, an air moisture content, an airflow speed, and an airflow direction.

50. (Currently Amended) The method of claim 31, wherein the detecting comprises detecting one type of data at ~~at least two measurement zones~~ one of the plurality of measurement zones and detecting another type of data at another of the plurality of measurement zones, the detecting ~~of the at least two measurement zones~~ occurring substantially uninterruptedly.

51. (Currently Amended) The method of claim 31, wherein the detecting comprises detecting one type of data at ~~at least two measurement zones~~ one of the plurality of measurement zones and detecting another type of data at another of the plurality of

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measurement zones, the detecting of the ~~at least two measurement zones~~ occurring at regular time intervals.

52. (Previously Added) The method of claim 31, further comprising supplying the data to an evaluation unit.

53. (Previously Added) The method of claim 52, further comprising monitoring and/or influencing the manufacture or refinement of the material web using the evaluation unit.

54. (Previously Added) The method of claim 52, further comprising continuously controlling and/or regulating the manufacture or refinement of the material web using the evaluation unit.

55. (Previously Added) The method of claim 52, wherein the at least one machine section comprises a plurality of machine components, the method further comprising independent controlling and/or regulating each of the plurality of machine components.

56. (Previously Added) The method of claim 31, further comprising evaluating the data to effect changes in the manufacture or refinement of the material web.

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57. (Previously Added) The method of claim 56, wherein the evaluating comprises determine at least one of a localized disturbance and a faulty machine component of the at least one machine section.

58. (Previously Added) The method of claim 56, wherein the evaluating comprises creating a model which describes the manufacture or refinement of the material web.

59. (Previously Added) The method of claim 31, further comprising storing the data regarding the manufacture or refinement of the material web.

60. (Previously Added) The method of claim 31, further comprising transmitting the data regarding the manufacture or refinement of the material web to another location.

61. (Previously Added) The method of claim 60, wherein the transmitting comprises transmitting the data via the Internet.

62. (Previously Added) The method of claim 60, further comprising evaluating the data at the other location to effect changes in the manufacture or refinement of the material web.

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63. (Previously Added) The method of claim 31, wherein the detecting comprises detecting data using reflection measurement.

64. (Previously Added) The method of claim 31, further comprising at least one of supporting the material web and guiding the material web, wherein the detecting comprises detecting the data in a region of the material web.

65. (Previously Added) The method of claim 31, further comprising at least one of supporting the material web and guiding the material web on at least one of a screen, a cylinder and a roll, wherein the detecting comprises detecting the data in a region of the screen, the cylinder or the roll.

66. (Previously Added) The method of claim 31, further comprising regulating or checking at least one of a longitudinal profile and a course of the material web.

67. (Previously Added) The method of claim 31, wherein the at least one machine section comprises a dryer section, the method further comprising regulating or checking at least one of a heating curve of the dryer section.



68. (Previously Added) The method of claim 31, wherein the at least one machine section comprises a dryer section, the method further comprising continuously regulating or checking at least one of a heating curve of the dryer section.

69. (Previously Added) The method of claim 31, wherein the at least one machine section comprises a dryer section, the method further comprising regulating at least one component of the dryer section, wherein the at least one component comprises at least one of an individual dryer group, a dryer, and a humidifier.

70. (Previously Added) The method of claim 31, further comprising regulating a transverse moisture profile of the material web.

71. (Currently Amended) The method of claim 70, wherein the regulating ~~comprise~~ comprises regulating step-wise ~~regulating~~ the transverse moisture profile of the material web.

72. (Previously Added) The method of claim 70, wherein the data relates to a measured humidity content and wherein regulating comprise step-wise regulating the transverse moisture profile of the material web based upon the measured humidity content.

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73. (Previously Added) The method of claim 31, wherein the at least one machine section comprises a plurality of zone-wise regulatable dryers, the method further comprising regulating a transverse moisture profile of the material web.

74. (Previously Added) The method of claim 31, wherein the at least one machine section comprises a press section having at least one steam blow box, the method further comprising regulating a transverse moisture profile of the material web.

75. (Previously Added) The method of claim 31, further comprising regulating a longitudinal moisture profile of the material web.

76. (Previously Added) The method of claim 75, wherein the data relates to a measured humidity content and wherein regulating comprise regulating the longitudinal moisture profile of the material web based upon the measured humidity content.

77. (Currently Amended) A measurement system for use in operating a machine for manufacturing and/or refining a material web wherein the machine includes at least one machine section, the system comprising:

a plurality of measurement zones arranged in series along a process direction of the

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machine;

at least one of the plurality of measurement zones being located in the at least one machine section;

at least one measurement device for detecting data being located in ~~at least one~~ each of the plurality of measurement zones; and

each of the measurement devices detecting the data while moving along at least two degrees of freedom of movement; and

an evaluation unit for evaluating the data.

78. (Previously Added) The system of claim 77, wherein the data concerns at least one measured parameter that relates to the manufacture or refinement of the material web.

79. (Previously Added) The system of claim 77, wherein the material web is a paper web.

80. (Previously Added) The system of claim 77, wherein the at least one machine section is a drying section.

81. (Currently Amended) The system of claim 77, wherein each of the plurality of

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measurement zones ~~includes at least one measurement device~~ is arranged in different part sections of the at least one machine section.

82. (Currently Amended) The system of claim 77, wherein at least ~~two~~ three measurement zones of the plurality of measurement zones ~~comprise~~ include at least one measurement device.

83. (Currently Amended) The system of claim 77, wherein ~~the~~ at least one of the measurement ~~device~~ devices is ~~at least one of~~ rotatable and movable in ~~at least two degrees of freedom~~ the process direction and transverse to the process direction.

84. (Currently Amended) The system of claim 77, wherein ~~the~~ at least one of the measurement ~~device~~ devices is ~~at least one of~~ rotatably movable and linearly movable.

85. (Currently Amended) The system of claim 77, wherein ~~the~~ at least one of the measurement ~~device~~ devices is ~~movable and~~ capable of detecting the data at a plurality of measurement locations.

86. (Currently Amended) The system of claim 77, wherein ~~the~~ at least one of the

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measurement ~~device~~ devices is movable in a direction which is approximately perpendicular to the process direction.

87. (Currently Amended) A measurement system for use in operating a machine for manufacturing and/or refining a material web wherein the machine includes a press section, a dryer section and a refinement section, the system comprising:

a plurality of measurement zones arranged in series along a process direction of the machine;

each of the dryer section and the refinement section including at least two measurement zones;

at least one measurement device for detecting data being located in a region of each measurement zone; and

each of the measurement devices detecting the data while moving along at least two degrees of freedom of movement; and

an evaluation unit for evaluating the data being coupled to each of the ~~at least one~~ measurement devices,

wherein the data concerns at least one measured parameter relating to the manufacture or refinement of the material web.